



إعداد الطالب

إشراف

الأستاذ الدكتور نضال صالح الحوامدة

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## **Abstract**

### **The impact of internal oversight units in the effectiveness of the Jordanian ministries from the viewpoint of workers**

**Ala'a Omar Bin Tareef**

**Mu'tah University, 2010**

The purpose of the study was to identify the impact of internal oversight units controls on Effectiveness of the ministries of Jordan as perceived by their employees.

Having reviewed all interviews and some literature, the researcher prepared a questionnaire, which was tested for validity and reliability of the questionnaire, and used five-likert scale to measure the purpose of the study.

The population study composed of (122) members of the ministries employee.

The study showed the following findings;

The level the internal controls (management and finance) unit on Jordanian Ministries performance was high.

The results showed that there are significant impact on the dimensions of the management internal controls combined (The adequacy of legislation, the efficiency of human resources, Objectives of management control, Technology Used and tasks) on the effectiveness of ministries at ( $\alpha \leq 0.05$ ).

There is the impact of the dimensions of internal financial control combined (Methods and accounting procedures, and the preservation of assets, Conservation and optimal use of cash) in the effectiveness of ministries.

In the light of these results, the study provides a number of recommendations as followed

1. Separate units for administrative oversight of senior management in line with legislation, regulations and laws, so that there is independence of the work of the internal control of those units without effect.
2. Work to provide the Department of Internal Oversight human cadres and prepare and qualify them so that they are qualified and able, through their support and Rphihm training courses to assist in the maturation of the cadres of audit work.

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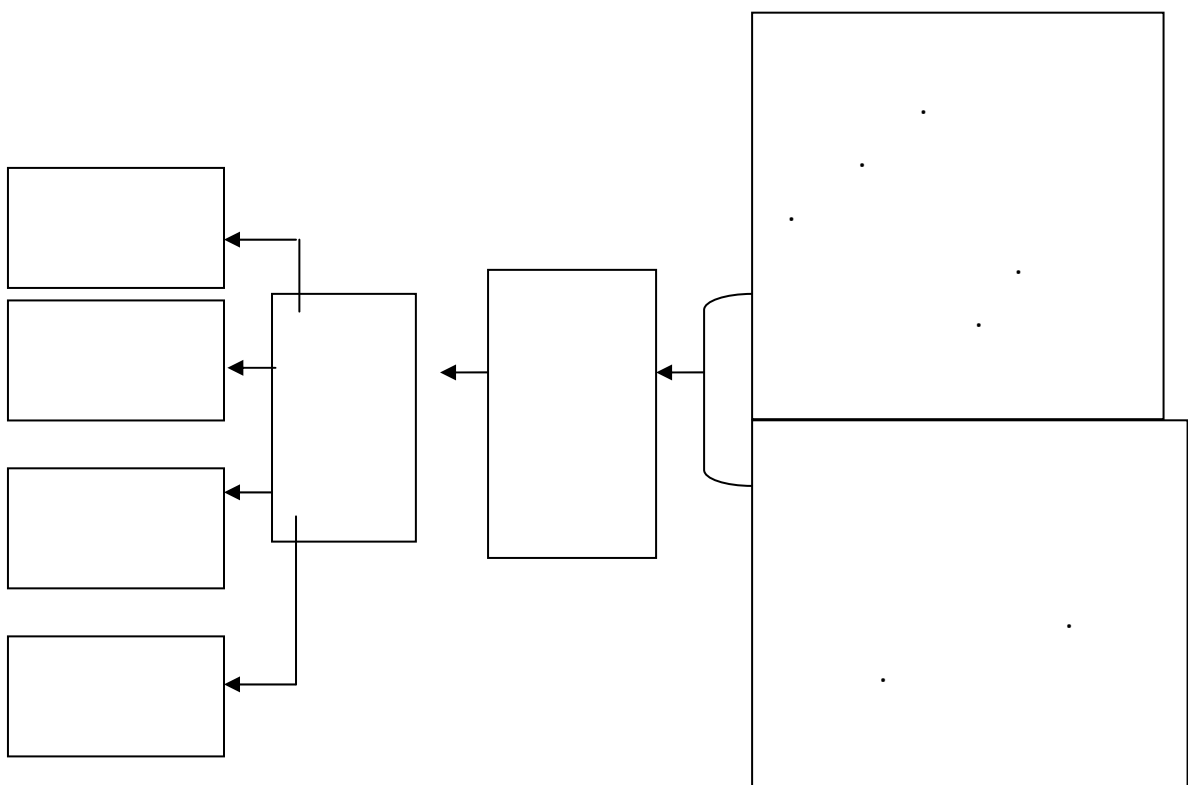
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impact of emerging information technology on auditing, managerial  
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advanced information technology in internal control, international journal  
of intelligent systems in accounting and finance management)

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" quality performance: an empirical study, decision management)

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✻

$$(0.000 = \alpha)$$

$$(0.01 \geq \alpha)$$

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(

$$0.532 \quad 0.626 \quad 0.562 \quad 0.558)$$

$$.(0.640$$

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)

(

$$0.501 \quad 0.478)$$

$$.(0.574 \quad 0.541 \quad 0.524$$

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(

$$.(0.532 \quad 0.485 \quad 0.523 \quad 0.460 \quad 0.424)$$

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)  
(  
0.546)

(0.575 0.527 0.468 0.506

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(  
0.601)

.(0.646 0.448 0.612 0.642

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(  
0.653)

(0.746 0.636 0.695 0.672

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(  
0.582)

(0.664 0.559 0.586 0.639

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0.480 0.384)

.(0.482 0.450 0.406

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)

(

0.581 0.607 0.611)

.(0.657 0.539

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)

(

0.613)

.(0.698 0.597 0.610 0.667

(16)

---

2	0.885	3.72	36-33
1	0.844	3.85	40-37
4	0.890	3.60	44-41
3	0.874	3.64	48-45
-	<b>0.777</b>	<b>3.70</b>	<b>48-33</b>

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(16)

(

.(0.777)

(3.85)

(3.70)

(3.72)

(3.64)

.(3.60)

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(17)

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						<b>33</b>
1	0.921	4.16		.		<b>34</b>
2	0.917	3.69			.	<b>35</b>
4	1.128	3.43		.		<b>36</b>
3	1.161	3.60		.		
-	<b>0.885</b>	<b>3.72</b>				-

---

(0.885) (3.72)

( ( ) (33)

(0.921) (4.16)

) (35)

(3.43) (

(1.128)

(18)

				37
1	1.023	4.10		38
3	0.971	3.68		39
4	1.006	3.62		40
2	1.020	3.98		
-	0.844	3.85		-

(0.844) (3.85)  
) (37)  
(4.10) (1.023)  
) (39)  
(3.62) (1.006)

(19)

---

					41
4	1.186	3.47	.		42
2	0.951	3.65	.		43
1	1.017	3.80			44
3	1.179	3.48	.		
-	0.890	3.60			-

---

(0.890) (3.60)  
) (43)  
(3.80) (  
(1.017)  
) (41)  
(3.47) (  
(1.186)

						<b>45</b>
1	1.108	3.81	.			<b>46</b>
2	0.974	3.61	.			<b>47</b>
3	0.966	3.60	.			<b>48</b>
4	1.083	3.55	.			
-	<b>0.874</b>	<b>3.64</b>				-

94

:  
 (Multicollinearity)  
 (Variance Inflation Factor) (VIF)  
 (Tolerance)  
 (10) (VIF)  
 (0.05) (Tolerance)  
 (Skewness) (Normal Distribution)  
 (1)  
 : (21)

(21)

Skewness	Tolerance	VIF
-0.871	0.617	1.621
- 0.716	0.446	2.241
- 0.878	0.593	1.686
-0.874	0.583	1.714
- 0.848	0.399	2.505
-1.032	0.552	1.811
- 1.174	0.511	1.957
- 0.723	0.459	2.176

(VIF)

(2.505 -1.621)

(10)

(0.617 -0.399)

(Tolerance)

(Multicollinearity)

(Skewness)

(1)

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) ( $0.05 \geq \alpha$ )

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**(22)**  
**(Analysis Of Variance)**

<b>F</b>					
<b>F</b>					<b>R<sup>2</sup></b>
		8.590	5	42.949	
<b>0.000</b>	<b>*32.921</b>	0.261	116	30.268	0.587
			121	73.217	
<b>.(0.05 ≥ α)</b>					
<b>*</b>					

(22)

( ) (0.05 ≥ α)

( (32.921) (F)

.(0.05 ≥ α) (0.000 = α)

( ) (%58.7)

(23)

	<b>t</b>	<b>Beta</b>		<b>B</b>
<b>0.000</b>	<b>*4.712</b>	0.358	0.080	0.375
0.603	0.521	0.047	0.088	0.046
<b>0.050</b>	<b>*1.954</b>	0.151	0.065	0.127
<b>0.004</b>	<b>*2.935</b>	0.229	0.085	0.249
<b>0.050</b>	<b>*1.936</b>	0.183	0.087	0.169
<b>.(0.05 ≥ α)</b>				
<b>*</b>				



( ) %41.8  
(%52.4)

( )  
( )  
( ) (%56.8) ( )  
( )  
( ) (%58.6)

:  
) ( $0.05 \geq \alpha$ )

(  
(25)  
(Analysis Of Variance)

F					
F	R <sup>2</sup>				
0.000	*20.899	8.985	5	44.927	
		0.430	116	49.874	0.474
			121	94.801	
.(0.05≥ α)					
*					

(25)

) ( $0.05 \geq \alpha$ )  
(  
 $\alpha$ ) (20.899) (F)  
(0.05≥ α) (0.000 =

( ) (%47.4)

(26)

	t	Beta		B
0.001	*3.528	0.302	0.102	0.360
0.815	0.235	0.024	0.112	0.026
0.506	0.667	0.058	0.084	0.056
0.004	*2.964	0.261	0.109	0.322
0.022	*2.326	0.248	0.112	0.260
.(0.05 ≥ α)				*

) (t) (Beta)  
 ( (t) ( )  
 .(Beta) (0.05 ≥ α)

) ( )  
 : .(  
 ) .1  
 ( .  
 ) .2  
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(27)

### Step Wise Multiple Regression

.

t	t	R <sup>2</sup>
0.000	*8.246	0.362
0.000	*3.704	0.428
0.002	*3.143	0.472

.(0.05 ≥ α) \*

Step Wise Multiple

Regression

( ) %36.2

(%42.8)

( )

( %47.2) ( )

( )

.( )

:

) ( $0.05 \geq \alpha$ )

(

(28)

(Analysis Of Variance)

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F		R <sup>2</sup>			
F					
0.000	22.175	8.442	5	42.211	
		0.381	116	44.162	0.489
			121	86.373	

.( $0.05 \geq \alpha$ )

\*

(28)

$\geq \alpha$ )

)

(0.05

(

$\alpha$ )

(22.175)

(F)

.( $0.05 \geq \alpha$ )

(0.000 =

(

)

(%48.9)

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(29)

	t	Beta		B
0.002	3.197	0.270	0.096	0.307
0.882	0.149	0.015	0.106	0.016
0.252	1.152	0.099	0.079	0.091
0.091	1.703	0.148	0.102	0.174
0.001	3.319	0.349	0.105	0.350
.(0.05 ≥ α)				*

) (t) (Beta)  
 ) (  
 (t) (  
 .(Beta) (0.05 ≥ α)  
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 ) (  
 : .(  
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 ) .2  
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(30)

Step Wise Multiple Regression

t	t	R <sup>2</sup>
0.000	*9.161	0.412
0.001	*3.484	0.466
		.(0.05 ≥ α)
		*

Step Wise Multiple

Regression

( ) %41.2

( ) (%46.6)

)

.(

:

) ( $0.05 \geq \alpha$ )

(

(31)

(Analysis Of Variance)

F					
F	R <sup>2</sup>				
0.000	*25.470	10.046	5	50.228	
		0.394	116	45.752	0.523
			121	95.980	

.(0.05≥ α)

\*

(31)

≥α)

)

(0.05

(

= α)

(25.470)

(F)

.(0.05≥ α)

(0.000

( )

(%52.3)

.

(32)

	t	Beta		B
0.000	*4.629	0.378	0.098	0.453
0.983	0.022	0.002	0.108	0.002
0.016	*2.454	0.204	0.080	0.197
0.295	1.052	0.088	0.104	0.110
0.026	*2.248	0.228	0.107	0.241

.(0.05  $\geq$   $\alpha$ )

\*

) (t) (Beta)

(

(t) ( )

.(Beta) (0.05  $\geq$   $\alpha$ )

) ( )

:

.(

.1

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.2

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(33)

### Step Wise Multiple Regression

t	t	R <sup>2</sup>
0.038	*8.804	0.392
0.000	*4.649	0.486
0.005	*2.839	0.519

.(0.05 ≥  $\alpha$ )

\*

Step Wise Multiple

Regression

%39.2

( )

(%48.6)

( )

) (%51.9)

(

.( )

:

) ( $0.05 \geq \alpha$ )

(

.

(34)

(Analysis Of Variance)

F					
F			R <sup>2</sup>		
		8.520	5	42.601	
0.000	*19.770	0.431	116	49.993	0.460
			121	92.594	

.( $0.05 \geq \alpha$ )

\*

(34)

$\geq \alpha$ )

)

(0.05

(

=  $\alpha$ )

(19.770)

(F)

.( $0.05 \geq \alpha$ )

(0.000

( )

(%46.0)

.

(35)

	t	Beta		B
0.000	*3.709	0.322	0.102	0.379
0.046	*2.017	0.206	0.112	0.227
0.050	*1.985	0.176	0.084	0.166
0.001	*3.569	0.319	0.109	0.388
0.120	1.566	0.169	0.112	0.176

.(0.05  $\geq \alpha$ )

\*

) (t) (Beta)

(

(t) (

(0.05  $\geq \alpha$ )

.(Beta)

) (

:

.(

.1

(

.

.2

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(36)

Step Wise Multiple Regression

t	t	R <sup>2</sup>
0.000	*7.054	0.293
0.000	*3.935	0.374
0.001	*3.530	0.434
		.(0.05 ≥ α)
		*

Step Wise Multiple

Regression

( ) %29.3  
(%37.4)  
( )  
(%43.4)  
( )  
(  
.(

:

) ( $0.05 \geq \alpha$ )

(

.

(37)

(Analysis Of Variance)

F					
F	R <sup>2</sup>				
0.000	*45.069	13.032	3	39.096	0.534
		0.289	118	34.121	
			121	73.217	

.( $0.05 \geq \alpha$ )

\*

(37)

$\geq \alpha$ )

)

(0.05

(

$\alpha$ )

(45.069)

(F)

.( $0.05 \geq \alpha$ )

(0.000 =

(

)

(%53.4)

.

(38)

	t	Beta	B	
0.000	*5.023	0.425	0.087	0.436
0.634	0.478	0.042	0.100	0.048
0.000	*4.472	0.415	0.092	0.411
.(0.05 ≥ α)				
*				

) (t) (Beta)  
 (  
 (t) ( )  
 .(Beta) (0.05 ≥ α)  
 .( ) ( )  
 :  
 ) .1  
 (  
 .  
 .2  
 .

(39)

### Step Wise Multiple Regression

t	t	R <sup>2</sup>
0.000	*9.727	0.441
0.000	*4.848	0.533
		.(0.05 ≥ $\alpha$ )
		*

Step Wise Multiple

Regression

( ) %44.1  
(%53.3)  
( )  
( )

:

) ( $0.05 \geq \alpha$ )

(

(40)

(Analysis Of Variance)

F					
F	R <sup>2</sup>				
	14.155	3	42.465		
<b>0.000</b>	<b>*31.915</b>	0.444	118	52.336	0.448
		121	94.801		

.(0.05≥ α)

\*

(40)

≥α)

)

(0.05

(

= α)

(31.915)

(F)

.(0.05≥ α)

(0.000

( )

(%44.8)

.

(41)

	t	Beta	B	
0.000	3.950	0.364	0.107	0.424
0.124	1.548	0.148	0.124	0.192
0.000	4.751	0.479	0.114	0.541
.(0.05 ≥ α)				
*				

) (t) (Beta)  
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 (t) ( )  
 .(Beta) (0.05 ≥ α)

.( ) ( )  
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 ) .1  
 . ( .2  
 .

(42)

Step Wise Multiple Regression

t	t	R <sup>2</sup>
0.000	*8.463	0.374
0.000	*3.647	0.437
		.(0.05 ≥ α)
		*

Step Wise Multiple

Regression

( ) %37.4

( ) (%43.7)

.( )

:					
) ( $0.05 \geq \alpha$ )					
(					
(43)					
(Analysis Of Variance)					
F					
F					
R <sup>2</sup>					
13.710					
3					
41.129					
0.000					
*35.755					
0.383					
118					
45.245					
0.476					
121					
86.373					
.(0.05≥ α)					
*					
(43)					
≥α)					
)					
(0.05					
(					
α)					
(35.755)					
(F)					
.(0.05≥ α)					
(0.000 =					
(					
)					
(%47.6)					

(44)

	t	Beta	B	
0.000	*4.699	0.421	0.100	0.469
0.880	0.152	0.014	0.116	0.018
0.001	*3.354	0.330	0.106	0.355
.(0.05 ≥ α)				
*				

) (t) (Beta)  
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 (t) ( )  
 .(Beta) (0.05 ≥ α)  
 ) ( )  
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(45)

Step Wise Multiple Regression

t	t	R <sup>2</sup>
0.000	9.103	0.408
0.000	3.918	0.476

.(0.05 ≥ α) \*

Step Wise Multiple

Regression

( ) %40.8

( ) (%47.6)

.( )

:

) ( $0.05 \geq \alpha$ )

(

(46)

(Analysis Of Variance)

F					
F					R <sup>2</sup>
		13.412	3	40.236	
0.000	*28.390	0.472	118	55.744	0.419
			121	95.980	

.( $0.05 \geq \alpha$ )

\*

(46)

$\geq \alpha$ )

)

(0.05

(

(0.000 =  $\alpha$ )

(28.390)

(F)

.( $0.05 \geq \alpha$ )

(%41.9)

( )

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(47)

	t	Beta	B	
0.000	*4.054	0.383	0.111	0.449
0.436	0.782	0.077	0.128	0.100
0.000	*3.761	0.389	0.117	0.442
.(0.05 ≥ α)				
*				

) (t) (Beta)  
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 (t) ( )  
 .(Beta) (0.05 ≥ α)  
 .( ) ( )  
 :  
 ) .1  
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(48)

### Step Wise Multiple Regression

t	t	R <sup>2</sup>
0.000	7.915	0.343
0.000	3.863	0.416

.(0.05 ≥  $\alpha$ ) \*

Step Wise Multiple

Regression

( ) %34.3  
(%41.6)  
( )  
( )

:

) ( $0.05 \geq \alpha$ )

(

(49)

(Analysis Of Variance)

F					
F					R <sup>2</sup>
0.000	23.192	11.448	3	34.345	
		0.494	118	58.249	0.371
			121	92.594	

.(0.05≥ α)

\*

(49)

≥α)

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(0.05

(

= α)

(32.192)

(F)

.(0.05≥ α)

(0.000

( )

(%37.1)

.

(50)

	t	Beta	B	
0.001	*3.526	0.346	0.113	0.399
0.526	0.636	0.065	0.131	0.083
0.012	*2.552	0.275	0.120	0.306
.(0.05 ≥ α)				
*				

) (t) (Beta)  
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 (t) ( )  
 .(Beta) (0.05 ≥ α)  
 .( ) ( )  
 :  
 ) .1  
 . ( .2  
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(51)

### Step Wise Multiple Regression

t	t	R <sup>2</sup>
0.000	*7.383	0.312
0.001	*3.261	0.369

.(0.05 ≥  $\alpha$ ) \*

Step Wise Multiple

Regression

( ) %31.2  
(%36.9)

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(Nagpal, 2008) .(

(Welson, 2006) .

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(Razae & Reinstiemg, 2006)

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(Razae & Reinstiemg, 2006)

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Bierstkar, L, (2004), the Impact of Interancynal Control in Quality Performance: An Empirical Study, **decision management**, 10(5) 13-3.

Baccasam, V. p, (2007), **Continuous Monitoring of Application Riskia**, vol. 6. Available on: Wwww. The iia. Org. 15 march.

Dana r., Hermanson,1994, The Internal Control Paradox: What Every Manager Should Know, **Review of Business**, winter 94, vol.16 , Issue 2, pp29-36.

Drunker, Peter. F, (1985), **Management: Tasks Responsibilities**, practice, Harper colophon books New York.

Frank, Tanki, (1993), Internal-Control- Integrated Framework; a Landmark Study", **The CPA Journal**, New York, vol. 63; issue 6, p17.

Griffin Rickyw, (1999), **Management**, New York Houg Hton Mifflin Company.

Henley. C. Holtham, .A. likiernman, J. Perrin, puplic sector accounting and financial control, **op.cit**, pp 237-240.

- Kenneth P, Johnson,. and Henryr, Jaenic, (1980), **Evaluating Internal Controls**, Ronald publishing co, New York.
- Kaplan, Dennis, (1999), Internal Control and Detection of Management Fraud, **Journal of Accounting**, Research Spring, Vol. 37.
- Montgomery ,Daniel, (2004), Auditors new Procedures for Detecting Frauds, **journal of accountancy**, vol. 19. no3 , p45-74.
- Murphy. D, & brown, C., (2005), The uses of advanced information technology in internal control, **international journal of intelligent systems in accounting and finance management**, volume 1, issue 3.p.120
- Nagpal, p, (2008), Audit Flexibility and Information Technology Infrastructure Complexity: Effects on Internal Control Systems, **American Auditory journal**, vol5, issue4, p.140
- Rezaee Z., Reinstein A, (2006), The Impact of Emerging Information Technology On Auditing, **Managerial Auditing Journal**, volume13, number8.
- Lawrence ,Richter, (2006), risky business team with audit committee to tackle it security needs, **Journal Of COM, June. Available on: [www.findarticles.accountancy](http://www.findarticles.accountancy),**
- Robbins, Stephen, (1990), **Organization Theory Atucture Designand Applicatlons**, avalibal on: [www.Serach.EBSCHOST.come](http://www.Serach.EBSCHOST.come).
- Robinson, marc, (2002) financial control in Australian government budgeting, **public budgeting & finance**, issue 1, vol. 22, p80-93.
- Weidenmier, M., Ramamoorti, R, (2006), research opportunities in information technology and internal auditing, **doi journal** 10, 2308\*jis.
- Welson j, (2006), Using Technology to Enhance Control in Digital Era, **jea quarterly**, 2(1). P.212.

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40-31 □

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